

1/4

NAME: Human IL-1 epsilon DNA

Nucleotide sequence:

GAAAAGGATA TAATGGATTT GTACAACCAA CCCGAGCCTG TGAAGTCCTT
 TCTCTTCTAC CACAGCCAGA GTGGCAGGAA CTCCACCTTC GAGTCTGTGG
 CTTTCCCTGG CTGGTTCATC GCTGTCAGCT CTGAAGGAGG CTGTCCTCTC
 ATCCTTACCC AAGAACTGGG GAAAGCCAAC ACTACTGACT TTGGGTAAAC
 TATGCTGTTT TAA
 (SEQ ID NO:5)

ATGGAAAAAG CATTGAAAAT TGACACACCT CAGCAGGGGA GCATTCAGGA
 TATCAATCAT CGGGTGTGGG TTCTTCAGGA CCAGACGCTC ATAGCAGTCC
 CGAGGAAGGA CCGTATGTCT CCAGTCACTA TTGCCTTAAT CTCATGCCGA
 CATGTGGAGA CCTTGAGAA AGACAGAGGG AACCCCATCT ACCTGGGCCT
 GAATGGACTC AATCTCTGCC TGATGTGTGC TAAAGTCGGG GACCAGCCCA
 CACTGCAGCT GAAGGAAAAG GATATAATGG ATTTGTACAA CCAACCCGAG
 CCTGTGAAGT CCTTTCTCTT CTACCACAGC CAGAGTGGCA GGAAGTCCAC
 CTTGAGTCT GTGGCTTTCC CTGGCTGGTT CATCGCTGTC AGCTCTGAAG
 GAGGCTGTCC TCTCATCCTT ACCCAAGAAC TGGGGAAAGC CAACACTACT
 GACTTTGGGT TAACTATGCT GTTTTAA
 (SEQ ID NO:7)

ATGGAAAAAG CATTGAAAAT TGACACACCT CAGCGGGGGA GCATTCAGGA
 TATCAATCAT CGGGTGTGGG TTCTTCAGGA CCAGACGCTC ATAGCAGTCC
 CGAGGAAGGA CCGTATGTCT CCAGTCACTA TTGCCTTAAT CTCATGCCGA
 CATGTGGAGA CCTTGAGAA AGACAGAGGG AACCCCATCT ACCTGGGCCT
 GAATGGACTC AATCTCTGCC TGATGTGTGC TAAAGTCGGG GACCAGCCCA
 CACTGCAGCT GAAGGAAAAG GATATAATGG ATTTGTACAA CCAACCCGAG
 CCTGTGAAGT CCTTTCTCTT CTACCACAGC CAGAGTGGCA GGAAGTCCAC
 CTTGAGTCT GTGGCTTTCC CTGGCTGGTT CATCGCTGTC AGCTCTGAAG
 GAGGCTGTCC TCTCATCCTT ACCCAAGAAC TGGGGAAAGC CAACACTACT
 GACTTTGGGT TAACTATGCT GTTTTAA
 (SEQ ID NO:12)

FIGURE 1

09763498-054501

2/4

NAME: Human IL-1 epsilon polypeptide

Translation in relevant reading frame (5' 3'):

EKDIMDLYNQ PEPVKSFLFY HSQSGRNSTF ESVAFPGWFI AVSSEGGCPL
ILTQELGKAN TTDFGLTMLF *
(SEQ ID NO:6)

MEKALKIDTP QGSIQDINH RVWVLQDQTL IAVPRKDRMS PVTIALISCR
HVETLEKDRG NPIYLGLNGL NLCLMCAKVG DQPTLQLKEK DIMDLYNQPE
PVKSFLFYHS QSGRNSTFES VAFPGWFI AV SSEGGCPLIL TQELGKANTT
DFGLTMLF*
(SEQ ID NO:8)

MEKALKIDTP QRGSIQDINH RVWVLQDQTL IAVPRKDRMS PVTIALISCR
HVETLEKDRG NPIYLGLNGL NLCLMCAKVG DQPTLQLKEK DIMDLYNQPE
PVKSFLFYHS QSGRNSTFES VAFPGWFI AV SSEGGCPLIL TQELGKANTT
DFGLTMLF*
(SEQ ID NO:13)

FIGURE 2

09763498-054504

[illegible]

human IL-1 epsilon 3' exon (top) vs. mouse IL-1 epsilon (long form) (bottom):
(64% percent identity)

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1  EKDIMDLYNQPEPVKSLFYHSQLSGRNSTFESVAFPGWFIASVSEGGCPL 50
| . | | : | | . | | | | . | | | | | | | | | | | | | | |
229 EGNIMEMYNKKEPVKASLFYHKKSCTSTFESAAPGWFIAVCSKGCPL 78

551 ILTQELGKANTTDFGLTML 69 (SEQ ID NO: 10)
| | | | | | | . | | | : | | | . .
79 ILTQELGEIFITDFEMIVV 97 (SEQ ID NO: 11)

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F. I G U R E 3

